

Haleh Ardebili

List of Publications by Year in descending order

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Version: 2024-02-01

24
papers

981
citations

567281

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26
all docs

26
docs citations

26
times ranked

1490
citing authors

#	ARTICLE	IF	CITATIONS
1	High Ion Conducting Polymer Nanocomposite Electrolytes Using Hybrid Nanofillers. <i>Nano Letters</i> , 2012, 12, 1152-1156.	9.1	273
2	Hygroscopic swelling and sorption characteristics of epoxy molding compounds used in electronic packaging. <i>IEEE Transactions on Components and Packaging Technologies</i> , 2003, 26, 206-214.	1.3	115
3	Flexible thin-film battery based on solid-like ionic liquid-polymer electrolyte. <i>Journal of Power Sources</i> , 2016, 303, 17-21.	7.8	91
4	High performance solid polymer electrolyte with graphene oxide nanosheets. <i>RSC Advances</i> , 2014, 4, 59637-59642.	3.6	87
5	Flexible thin-film battery based on graphene-oxide embedded in solid polymer electrolyte. <i>Nanoscale</i> , 2015, 7, 17516-17522.	5.6	69
6	In Situ Study of Strain-Dependent Ion Conductivity of Stretchable Polyethylene Oxide Electrolyte. <i>Scientific Reports</i> , 2016, 6, 20128.	3.3	67
7	High Fidelity Tape Transfer Printing Based On Chemically Induced Adhesive Strength Modulation. <i>Scientific Reports</i> , 2015, 5, 16133.	3.3	34
8	Simulation of cyclic voltammetry in structural supercapacitors with pseudocapacitance behavior. <i>Electrochimica Acta</i> , 2021, 390, 138822.	5.2	31
9	Elucidating the mechanisms of ion conductivity enhancement in polymer nanocomposite electrolytes for lithium ion batteries. <i>Applied Physics Letters</i> , 2013, 102, .	3.3	26
10	Stretchable spiral thin-film battery capable of out-of-plane deformation. <i>Journal of Power Sources</i> , 2016, 332, 406-412.	7.8	20
11	Atomistic investigation of the nanoparticle size and shape effects on ionic conductivity of solid polymer electrolytes. <i>Solid State Ionics</i> , 2014, 268, 156-161.	2.7	18
12	Structure and Properties of Sulfonated Pentablock Terpolymer Films as a Function of Wet/Dry Cycles. <i>Macromolecules</i> , 2018, 51, 2203-2215.	4.8	17
13	Chemically inert covalently networked triazole-based solid polymer electrolytes for stable all-solid-state lithium batteries. <i>Journal of Materials Chemistry A</i> , 2019, 7, 19691-19695.	10.3	17
14	Molecular engineering of step-growth liquid crystal elastomers. <i>Sensors and Actuators B: Chemical</i> , 2017, 244, 433-440.	7.8	16
15	Mechanical deformation effects on ion conduction in stretchable polymer electrolytes. <i>Applied Physics Letters</i> , 2018, 113, .	3.3	16
16	Comparison of Nanoarchitecture to Porous Media Diffusion Models in Reduced Graphene Oxide/Aramid Nanofiber Electrodes for Supercapacitors. <i>ACS Nano</i> , 2020, 14, 5314-5323.	14.6	15
17	Stretchable fabric-based LiCoO ₂ electrode for lithium ion batteries. <i>Extreme Mechanics Letters</i> , 2019, 32, 100532.	4.1	13
18	Systematic Approaches To Tailor the Morphologies and Transport Properties of Solution-Cast Sulfonated Pentablock Copolymers. <i>ACS Applied Polymer Materials</i> , 2019, 1, 8-17.	4.4	13

#	ARTICLE	IF	CITATIONS
19	The effect of nanoscale architecture on ionic diffusion in rCo/aramid nanofiber structural electrodes. Journal of Applied Physics, 2019, 125, .	2.5	12
20	High proton conductivity membrane with coconut shell activated carbon. Ionics, 2015, 21, 1665-1674.	2.4	9
21	Flexible batteries under extreme bending: Interfacial contact pressure and conductance. Extreme Mechanics Letters, 2017, 13, 108-115.	4.1	7
22	A Perspective on the Mechanics Issues in Soft Solid Electrolytes and the Development of Next-Generation Batteries. Journal of Applied Mechanics, Transactions ASME, 2020, 87, .	2.2	5
23	Mitigating the dead-layer effect in nanocapacitors using graded dielectric films. International Journal of Smart and Nano Materials, 2012, 3, 23-32.	4.2	3
24	<i>In situ</i> strain dependent electrochemical characterization of a stretchable-sliding battery. AIP Advances, 2019, 9, .	1.3	2